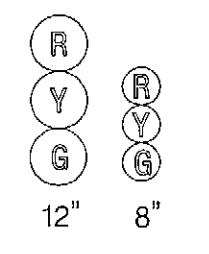
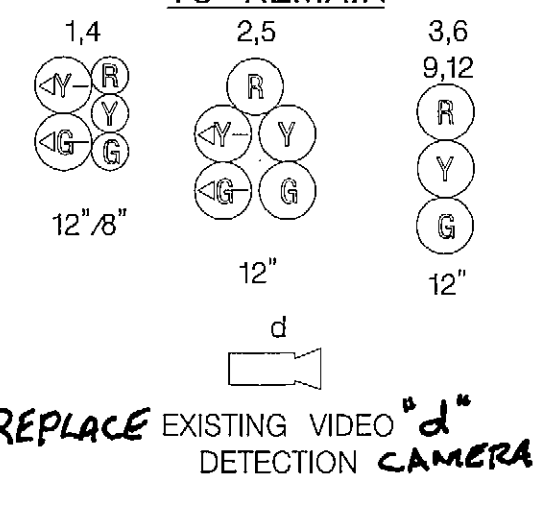


MD 213 IS ASSUMED TO RUN IN A NORTHSOUTH DIRECTION

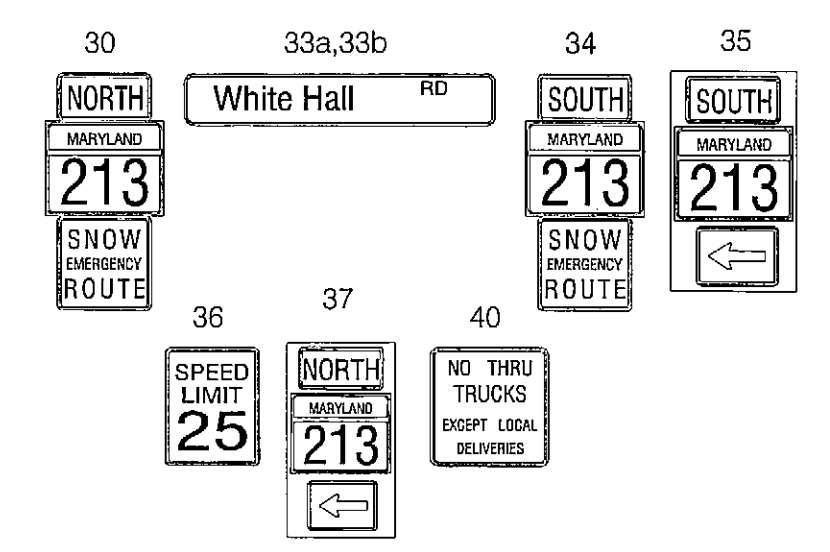
EXISTING SIGNALS TO BE REMOVED



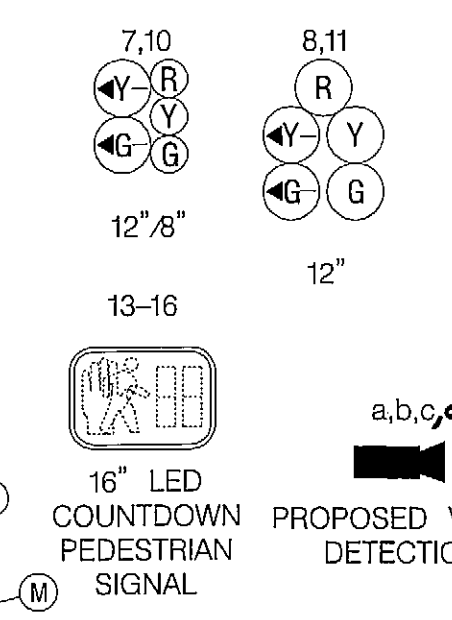
EXISTING SIGNALS TO REMAIN



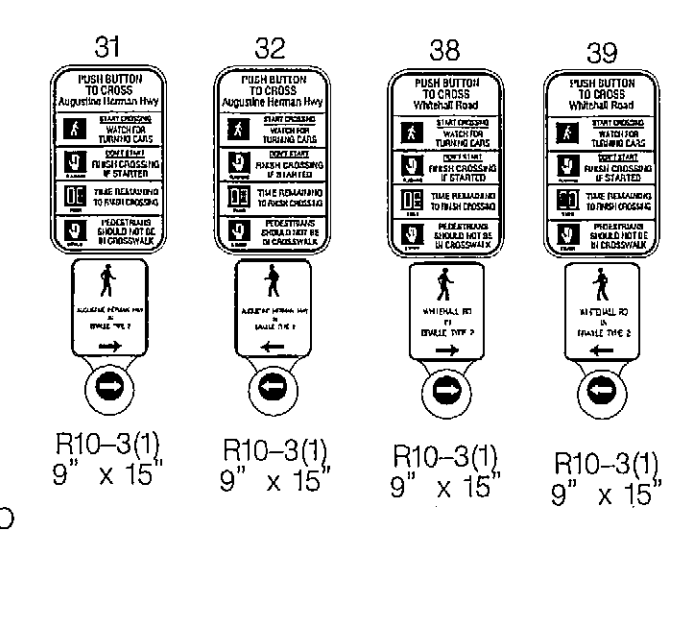
EXISTING SIGNS TO REMAIN



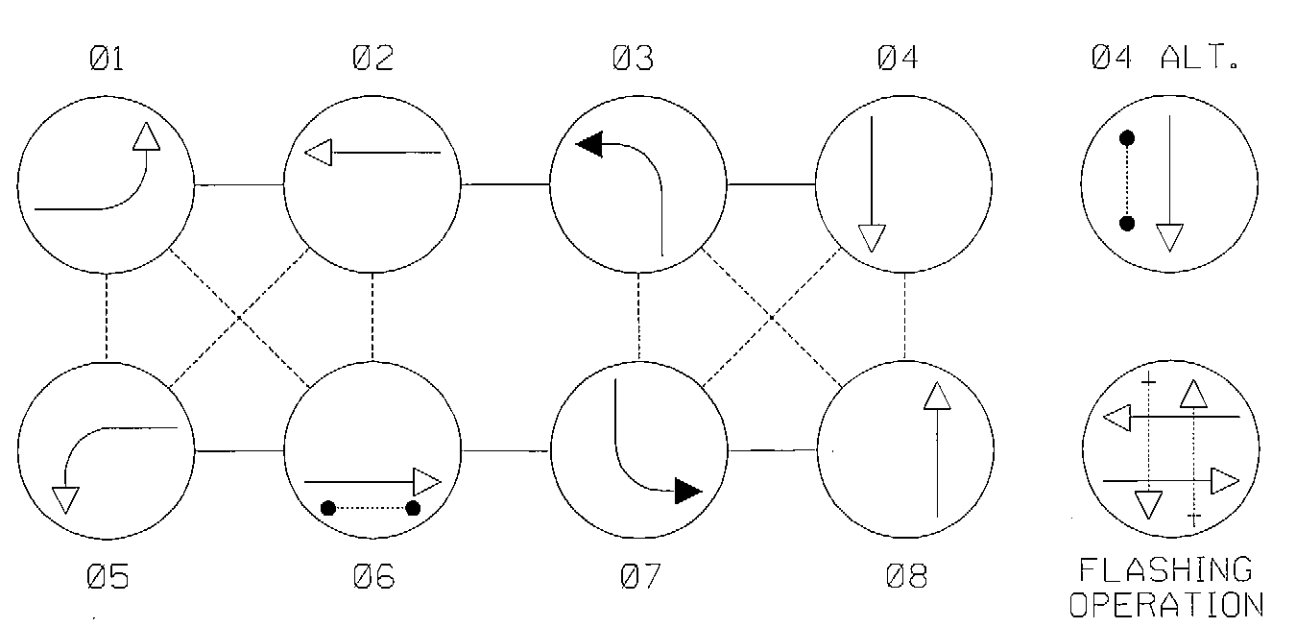
PROPOSED SIGNALS



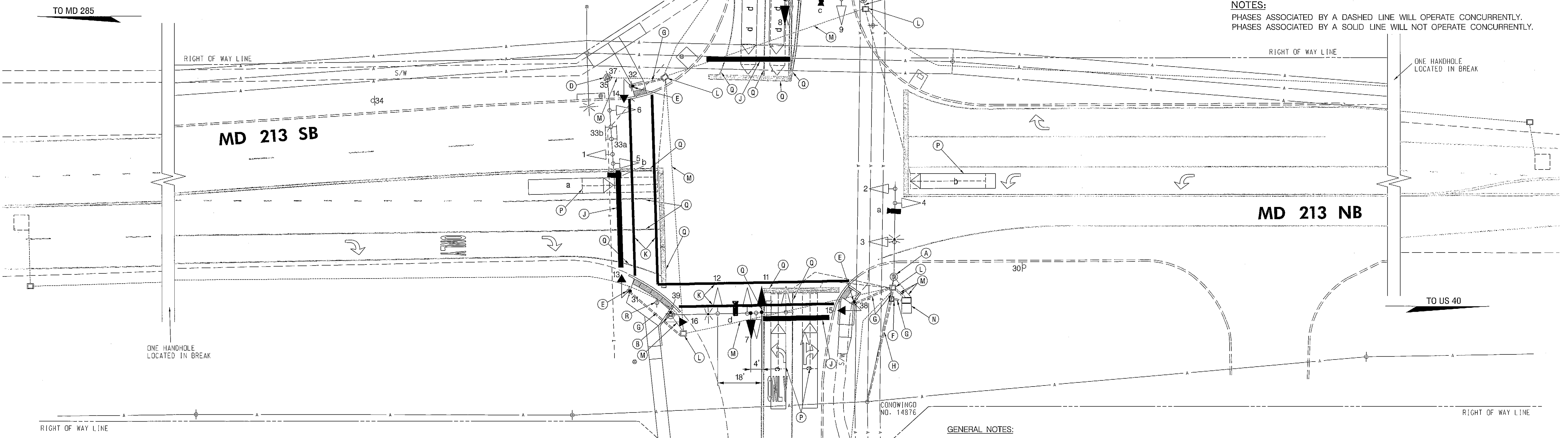
PROPOSED SIGNS



NEMA PHASING



NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS:

- USE EXISTING MAST ARM POLE AND INSTALL NEW VIDEO DETECTION CAMERA, MAST ARM POLE EXTENSION, A 15 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCELL. EXISTING POWER SERVICE TO BE REMOVED BY OTHERS.
- USE EXISTING MAST ARM POLE, REPLACE AND RELOCATE LED TRAFFIC SIGNAL HEADS 7 AND 11, RELOCATE VIDEO DETECTION CAMERA AND RELOCATE LED SIGNAL HEAD 12 AS SHOWN. INSTALL COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON, SIGN, MAST ARM POLE EXTENSION, A 15 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCELL.
- USE EXISTING MAST ARM POLE AND REPLACE/INSTALL LED TRAFFIC SIGNAL HEADS AS SHOWN. INSTALL NEW VIDEO DETECTION CAMERA.
- USE EXISTING MAST ARM POLE AND INSTALL NEW VIDEO DETECTION CAMERA.
- INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL METERED SERVICE PEDESTAL EMBEDDED.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE AND STUB-UP WITH PULL STRING. CONNECTION TO POLE TO BE DONE BY POWER COMPANY.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING SIGNAL CABINET. INSTALL 2 WIRE CENTRAL CONTROL UNIT AND CONDUIT BEND FOR POWER FEED.
- DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
- REMOVE EXISTING PAVEMENT MARKING.
- REMOVE AND RESET EXISTING STREET SIGN.

GENERAL NOTES:

- VIDEO CAMERA LOCATION /ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT THE SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
- THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.

TOD NO: XX661-10
SHA NO: CE401852
MD 213 @ Whitehall Road



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 213 (AUGUSTINE HERMAN HWY) AT
WHITEHALL ROAD
ELKTON, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20'	ADVERTISED DATE APRIL 1993	CONTRACT NO.
DESIGNED BY	COUNTY	CECIL
DRAWN BY	J.E.H.	LOGMILE 07021317.85
CHECKED BY	J.F.L.	TIMS NO.
F.A.P. NO.		TOD NO.
TS NO. 3323F	DRAWING	OF
		SHEET NO. 1 OF 3

APPROVALS	REVISIONS
TEAM LEADER	10/11 TMS-LO56 SHA NO. XX6615185 UPGRADE RAMP, INSTALL APS/CPS, CHANGE SIDE ROAD PHASING TO E/F J.B.
ASST. DIV. CHIEF	INSTALL PHASE 4 VIDEO DETECTION J.M.D.
DIVISION CHIEF	D 8-B-01 REPLACE EQUIPMENT DUE TO WIDENING T.M.Z.
OFFICE DIRECTOR	

BAI BRUDIS & ASSOCIATES, INC.
Consulting Engineers
6240 Rumsey Road, Suite 110
Columbia, Maryland 21045
Phone 410-584-3807
www.brudis.com

PLOTTED: Friday, October 21, 2011 AT 12:01 PM
FILE: P:\09-002\TEDD\Task 75 MD 213 @ Whitehall\Drawings\CADD\Working\pSG-P001_M0213@Whitehall.dgn

BY: davidma